

a.)

b.)

Figure: 1

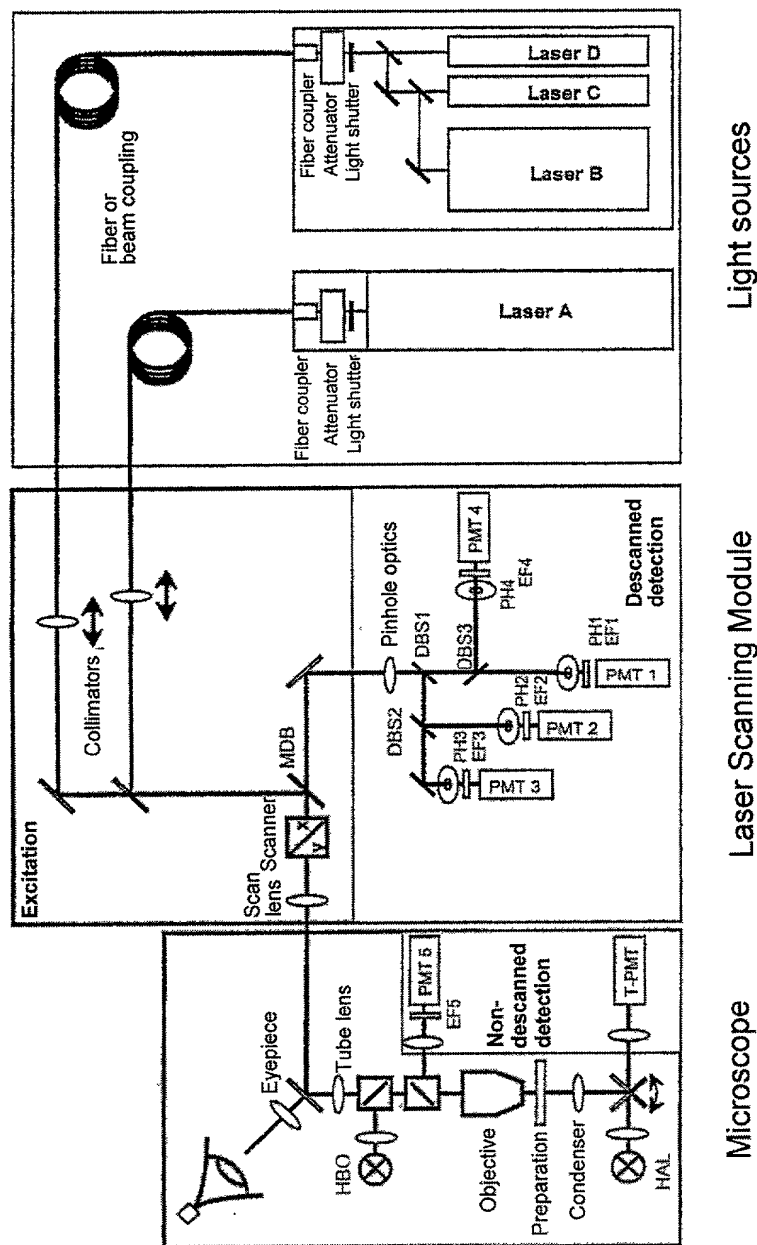
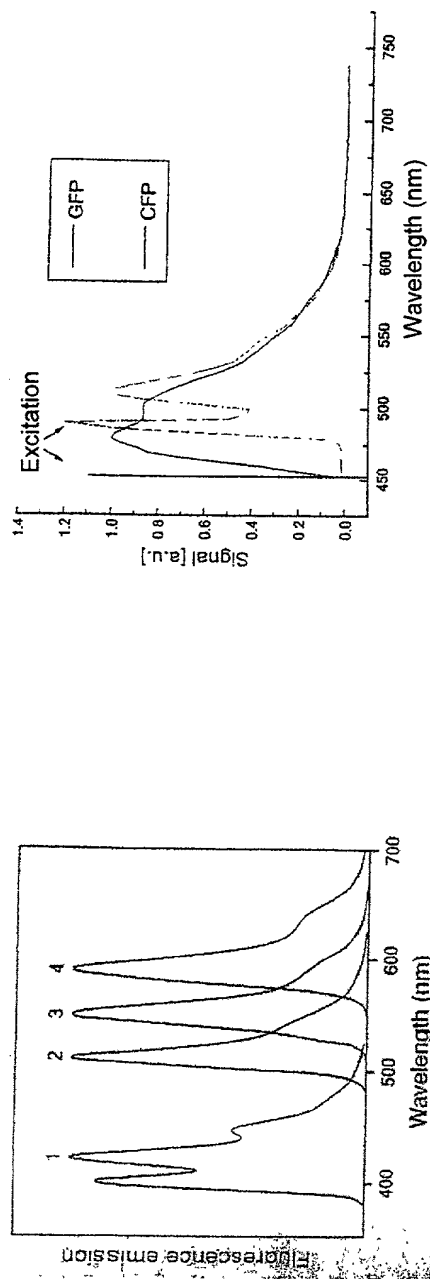
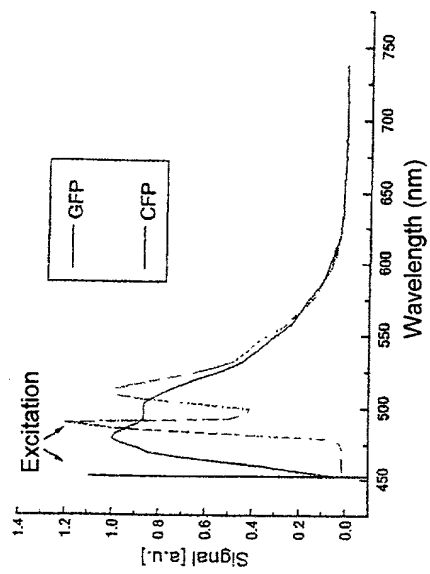


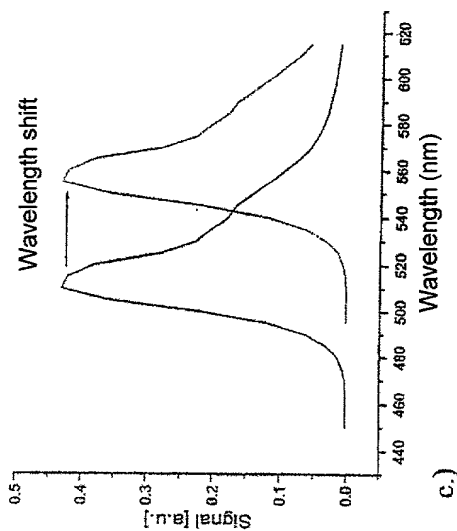
Figure: 2



a.)

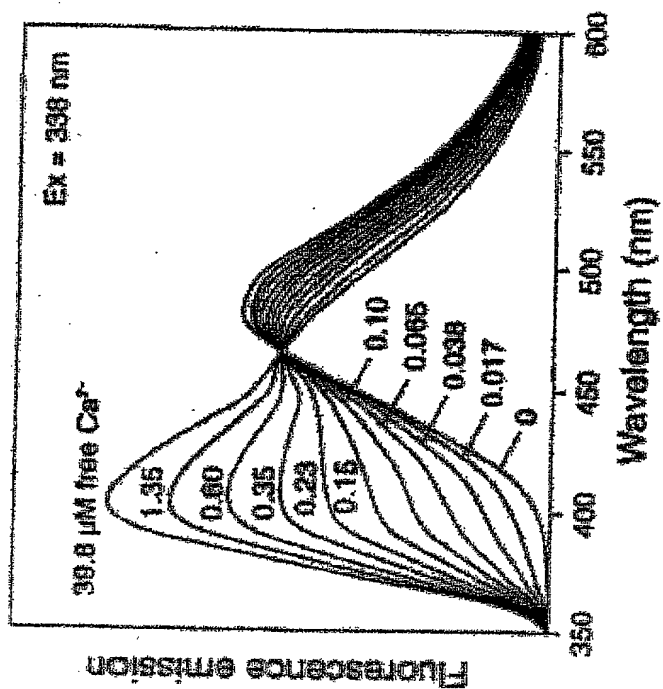


b.)

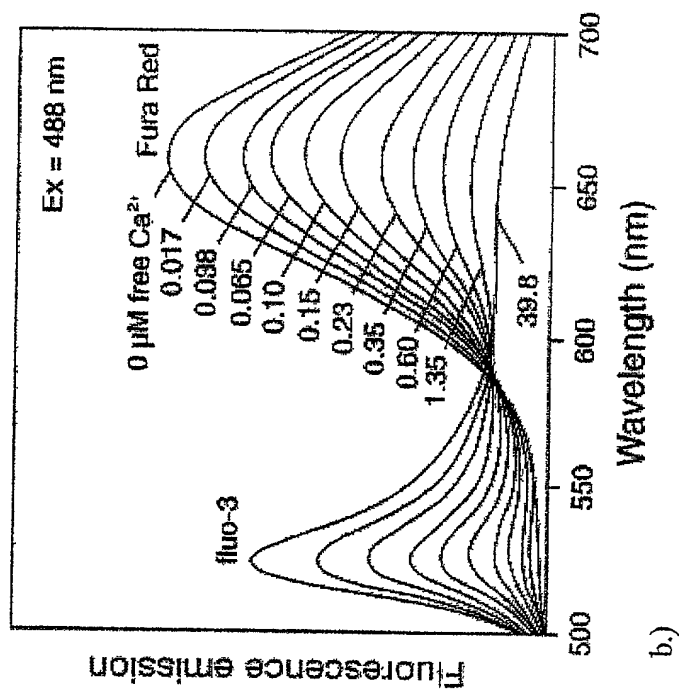


c.)

Figure: 3



a.)



b.)

Figure: 4

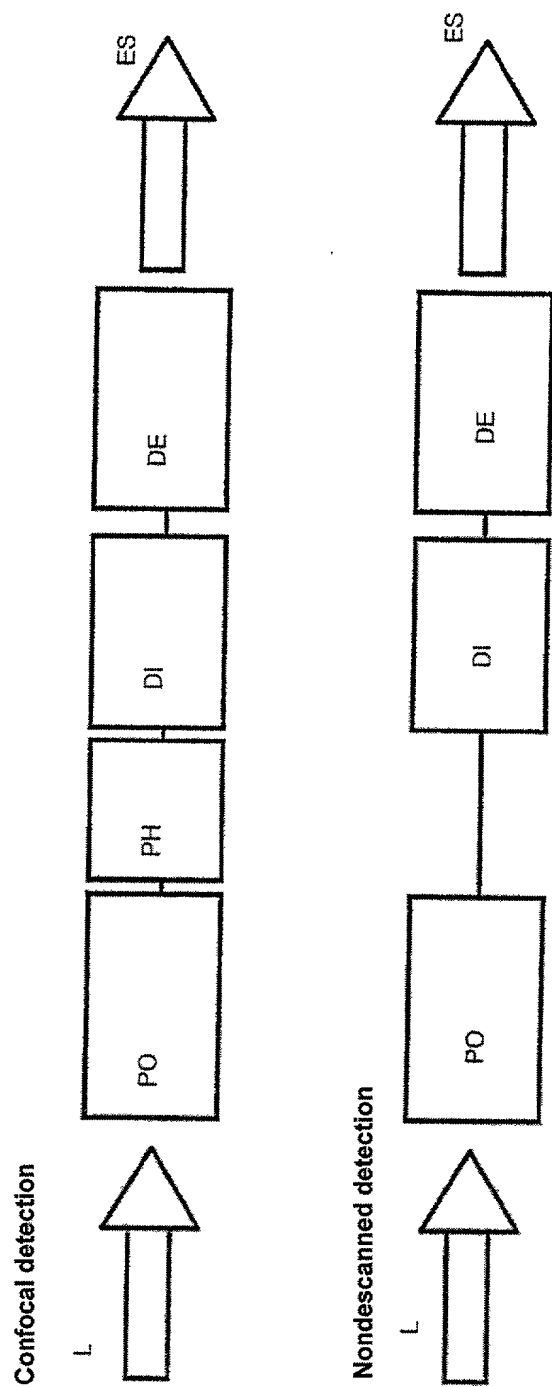


Figure: 5

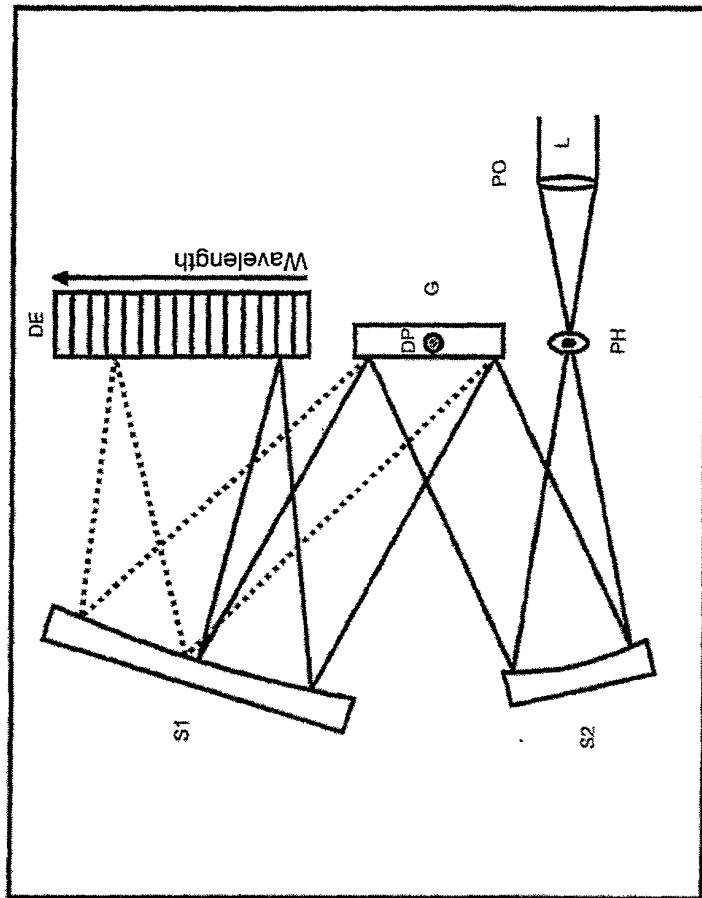


Figure: 6

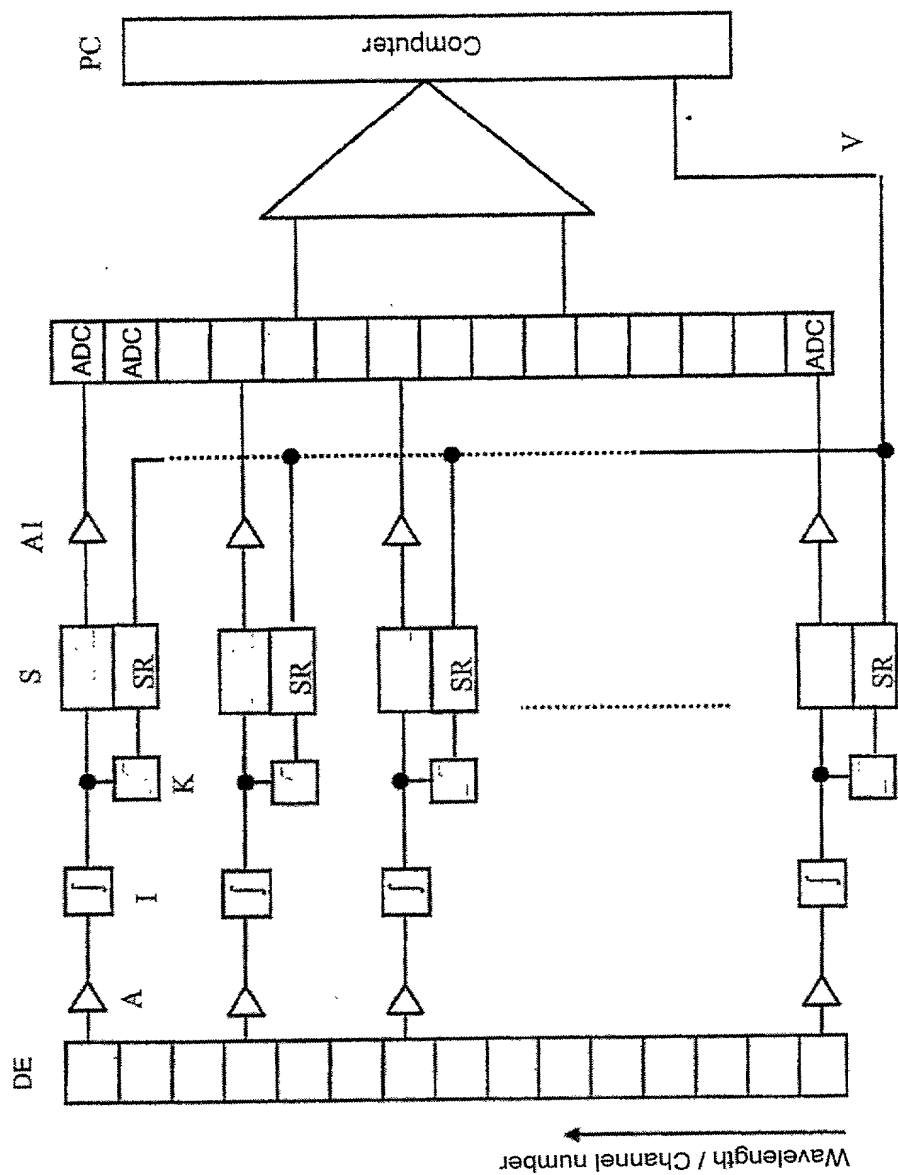
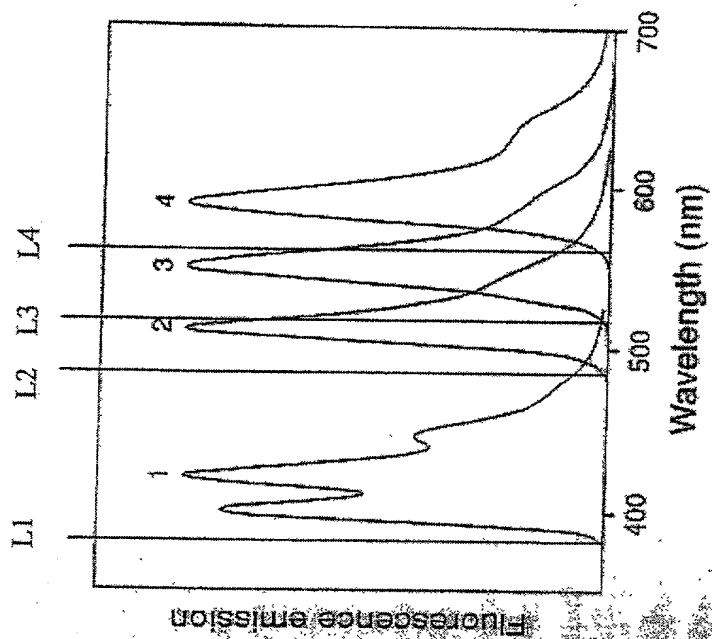
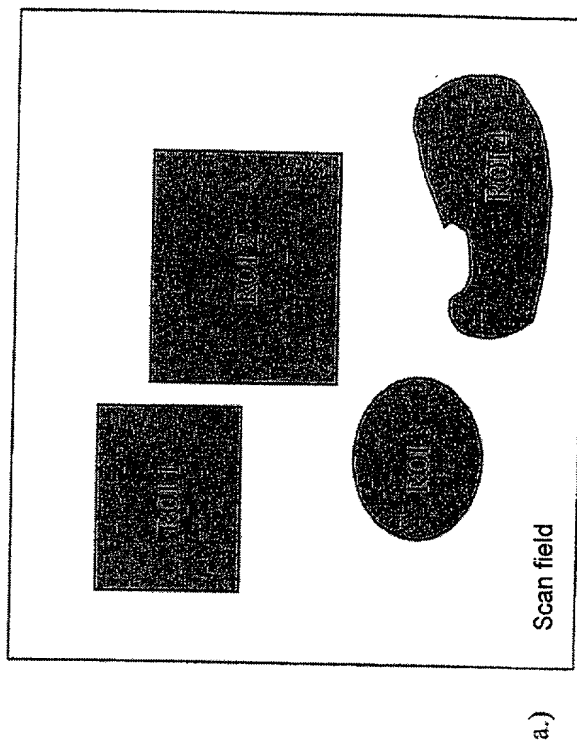


Figure: 7



b.)



a.)

Figure: 8



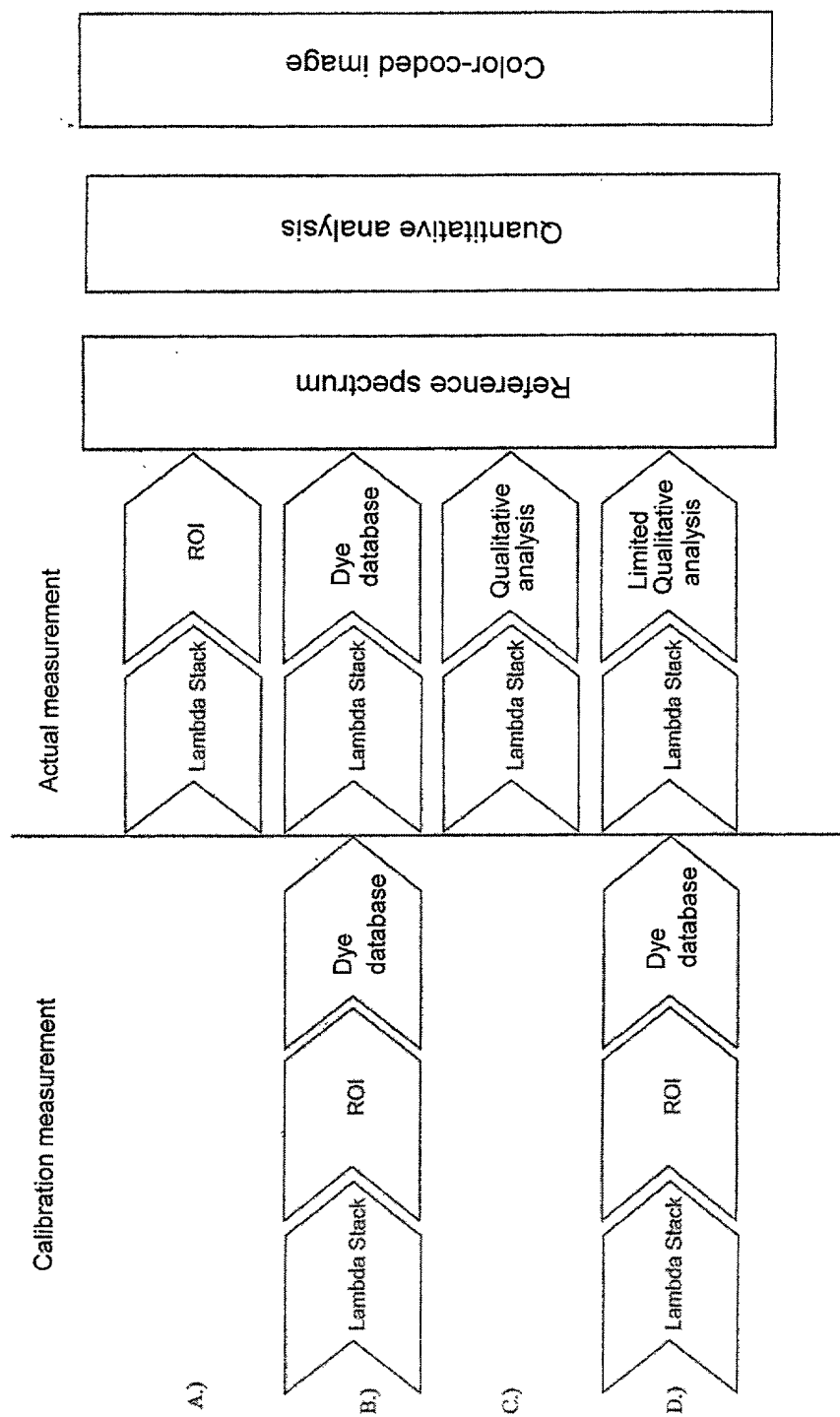


Figure: 9

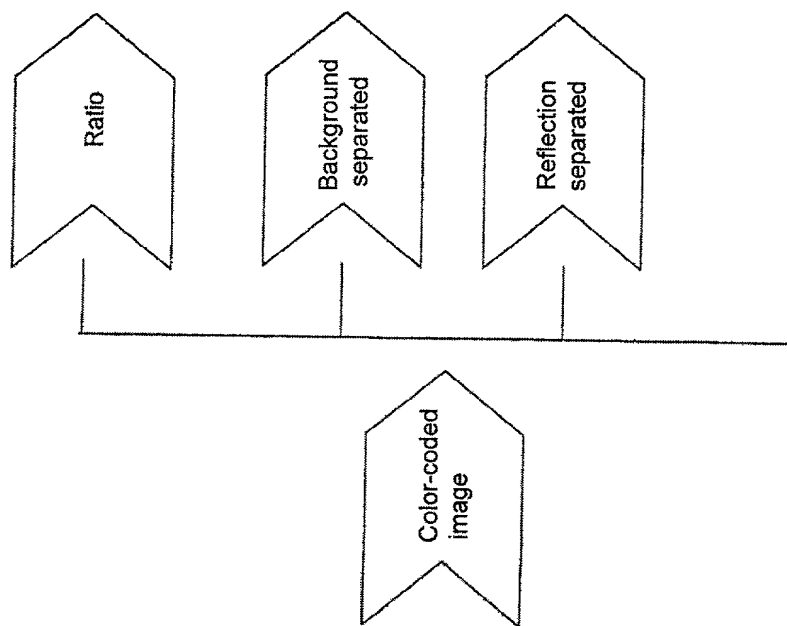


Figure: 10

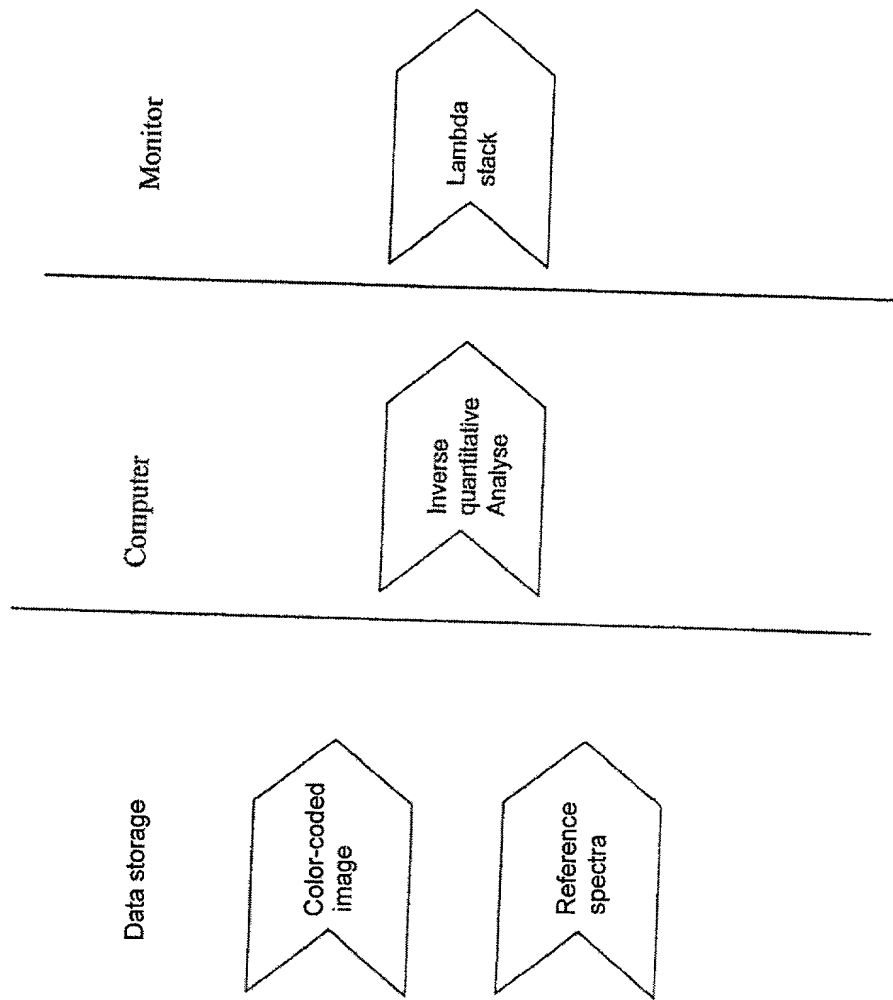
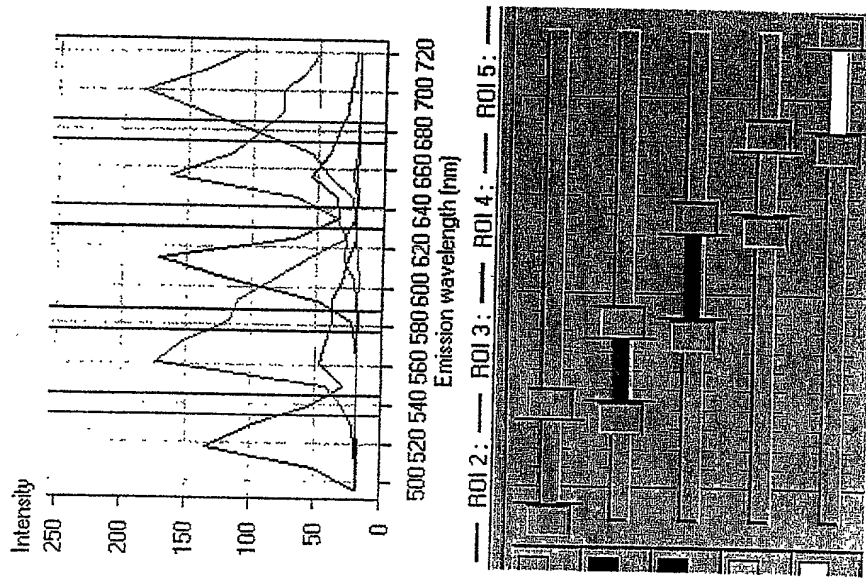
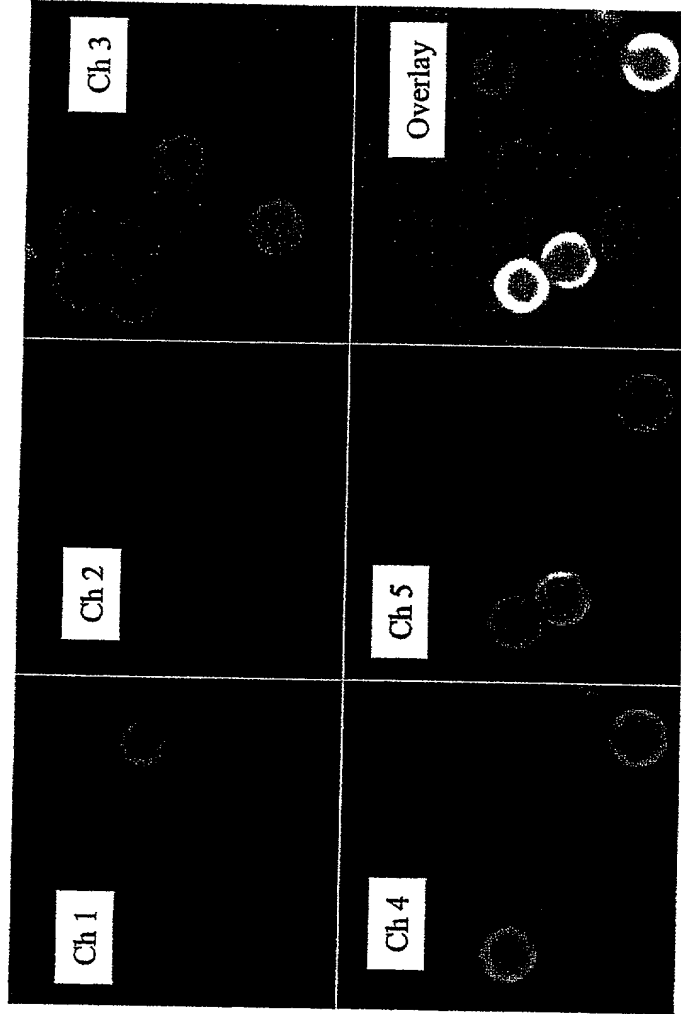


Figure: 11



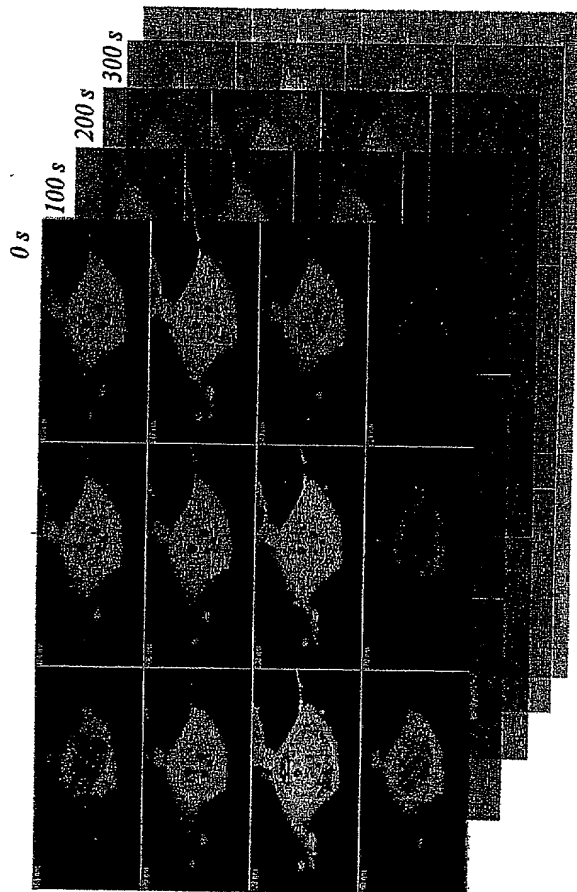
a.)



b.)

Figure: 12

A.)



B.)

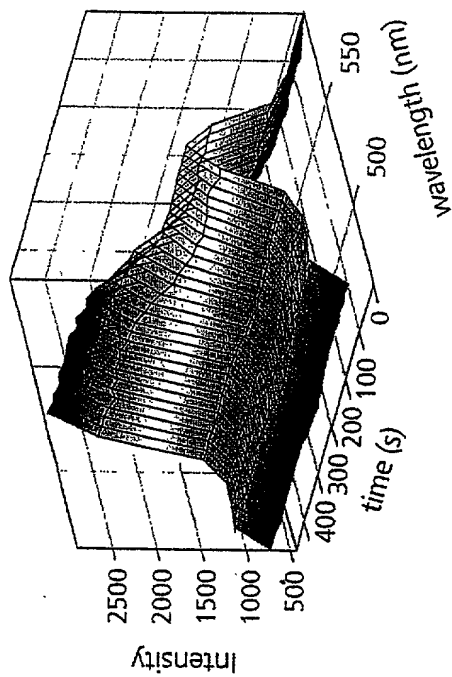


Figure: 13

1

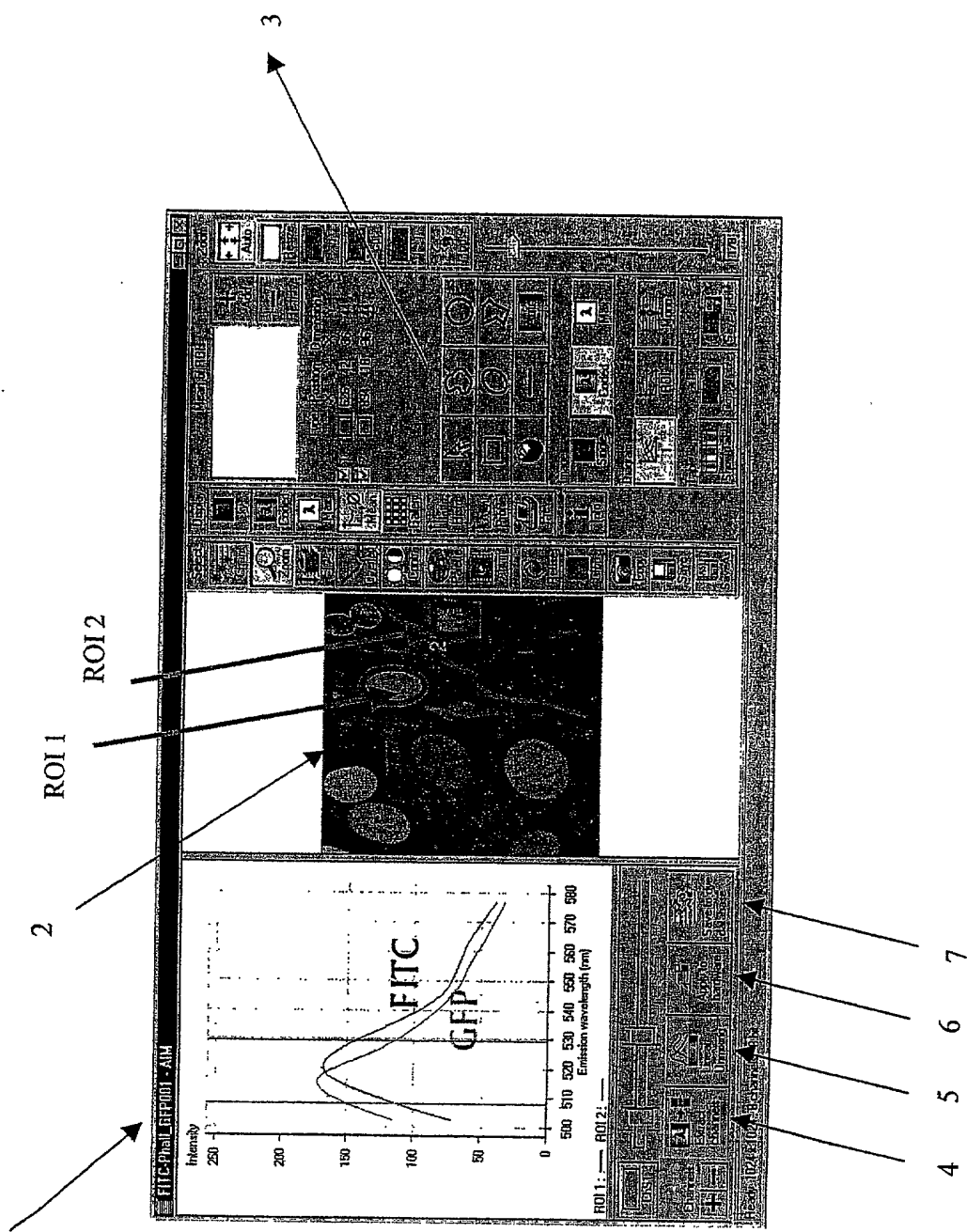
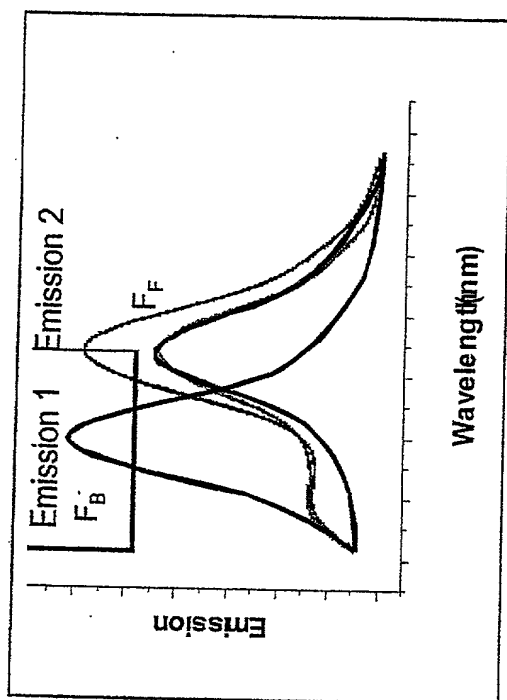


Figure: 14

A.)



B.)

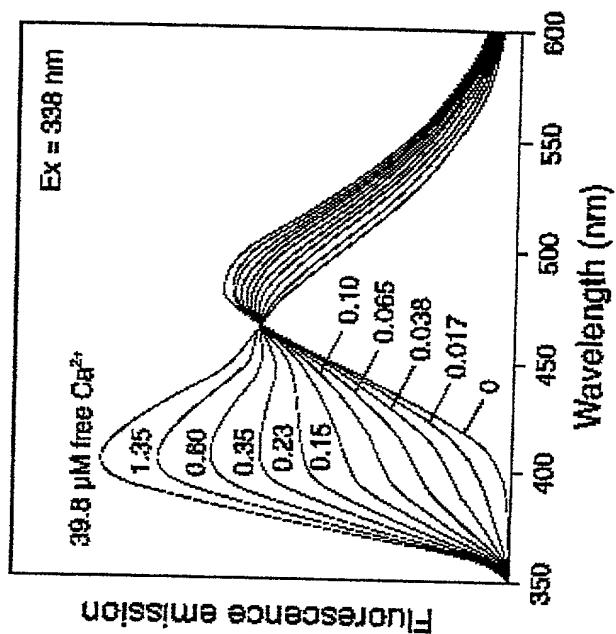
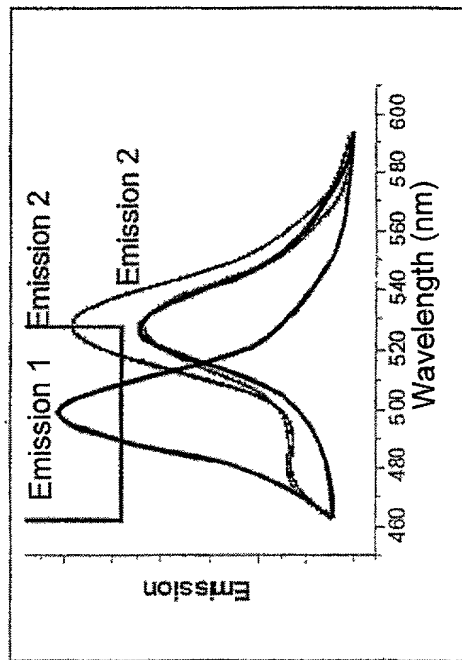
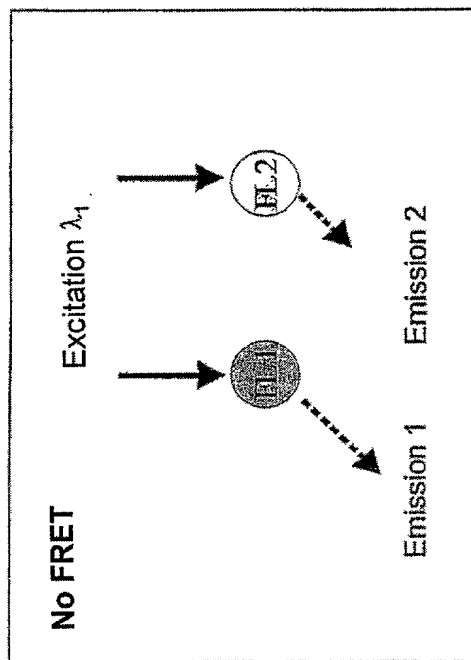


Figure: 15

A.)



B.)

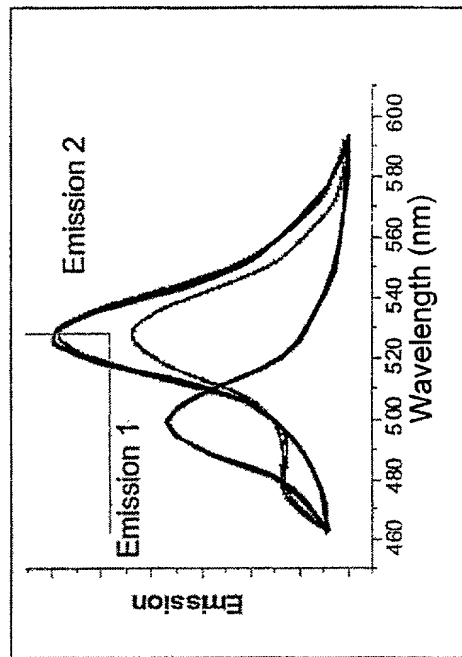
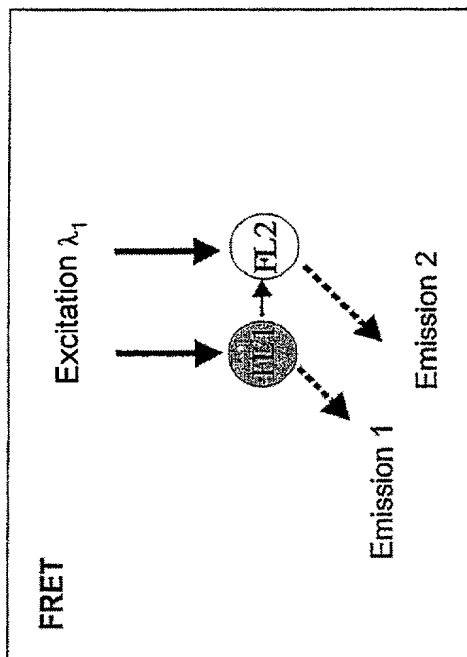
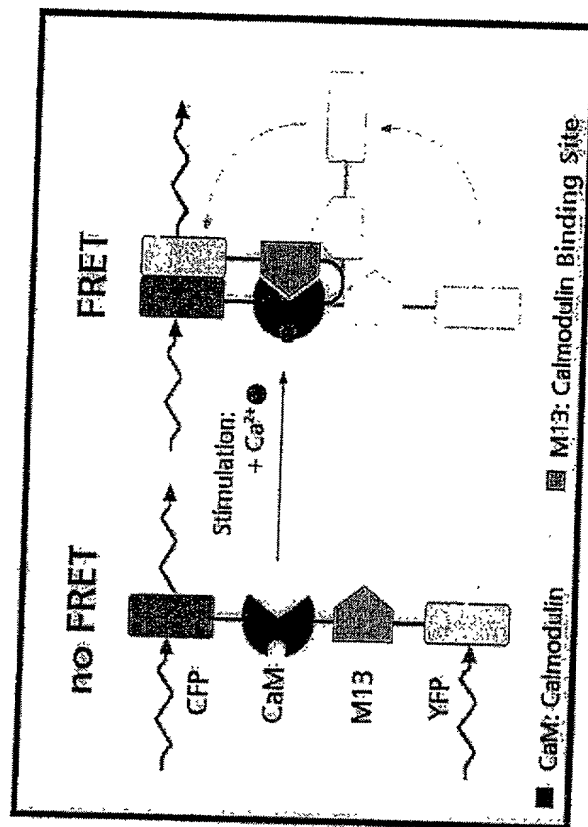


Figure: 16

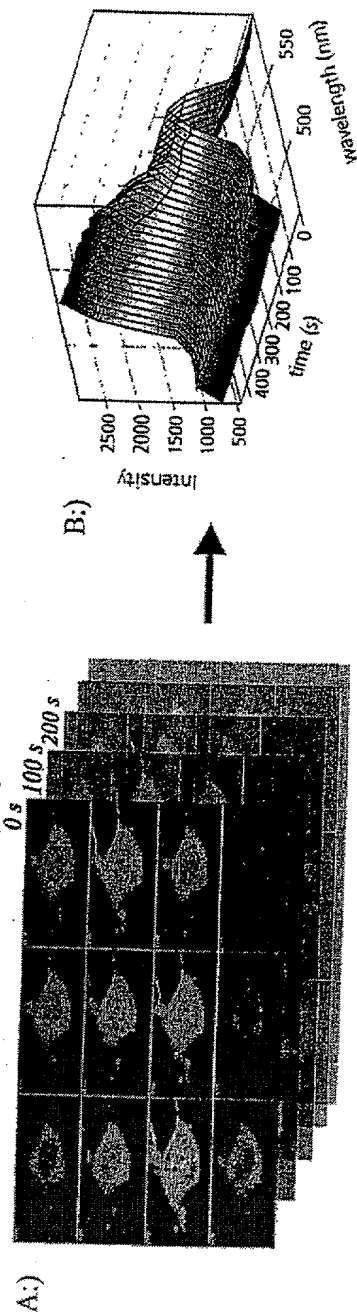




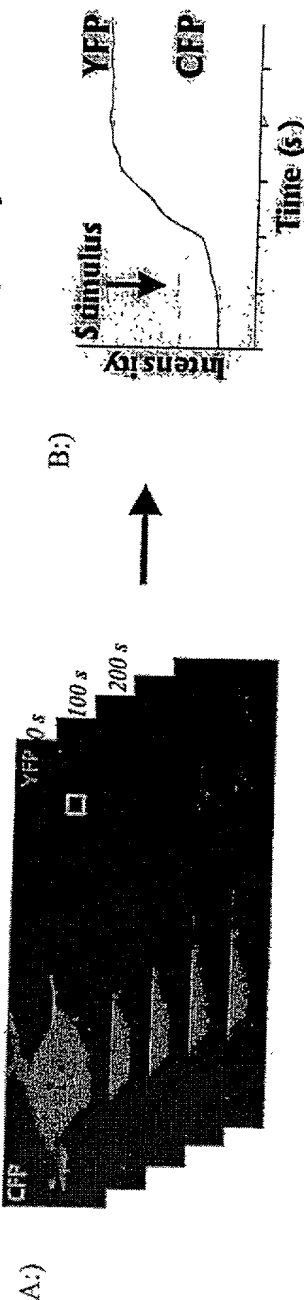
Example: FRET sensor for calcium concentration measurements  
Yellow Cameleon2 (Miyawaki et al. Proc Natl Acad Sci USA  
96, 2135-2140, (March 1999))

Figure: 17

1. Series of Lambda Stacks ( $xy\lambda t$ )



2. Series of images with CFP and YFP signals after linear unmixing analysis



3. Series of ratio images (YFP/CFP)

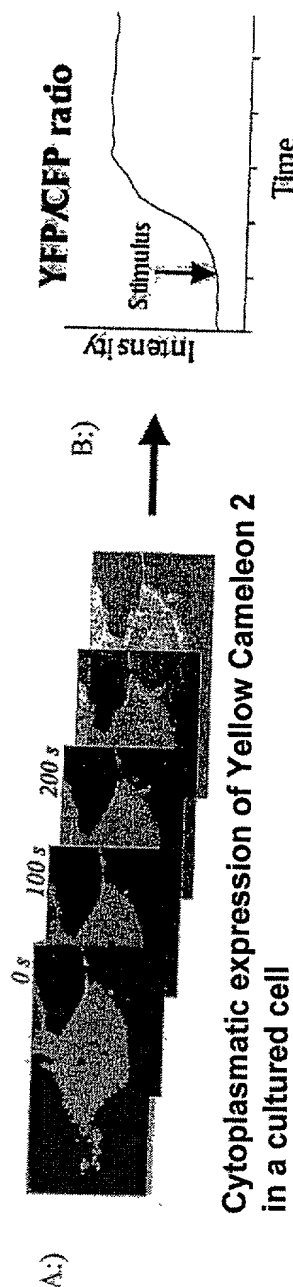


Figure: 18